

FIG. 1

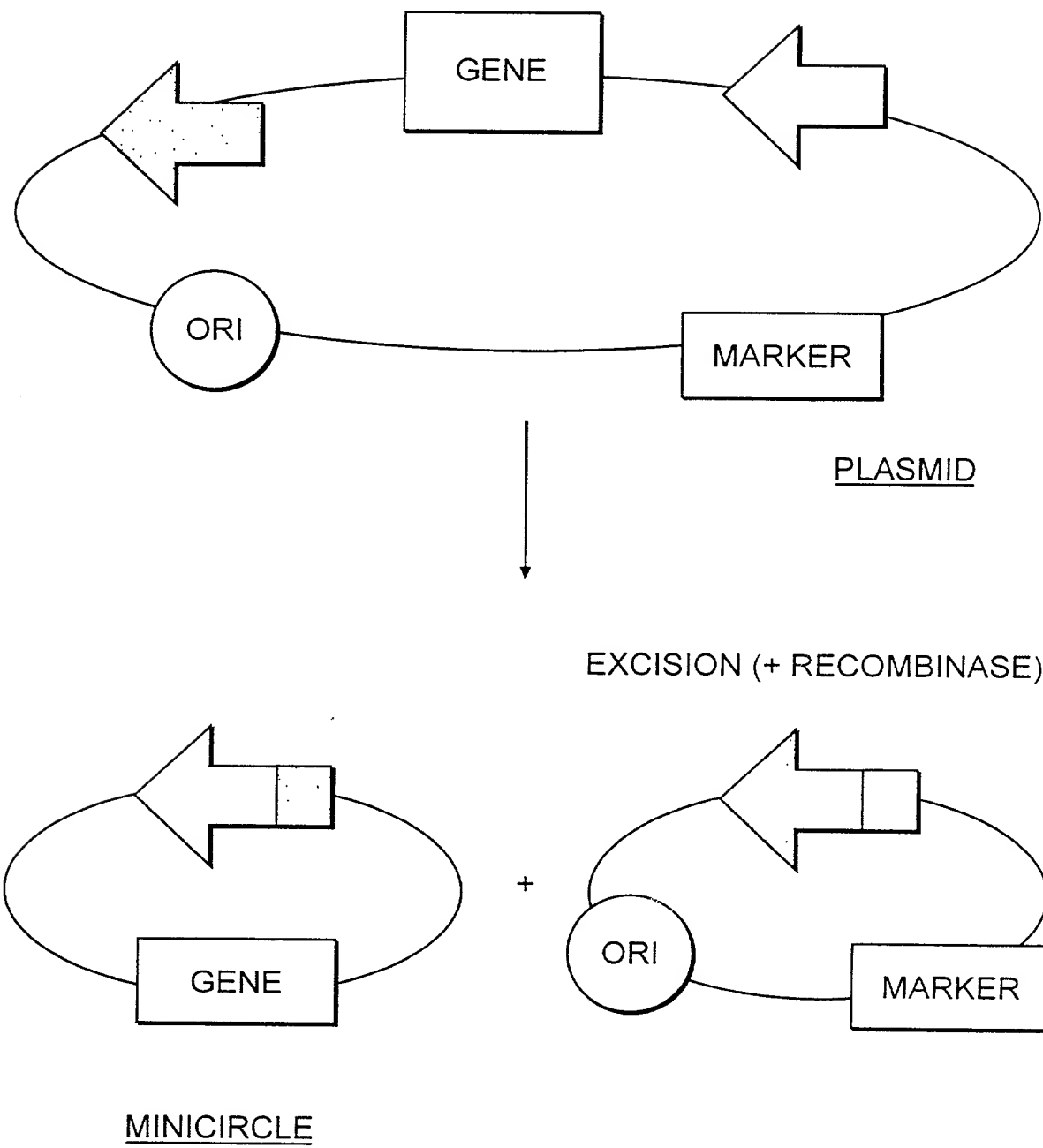


FIG. 2

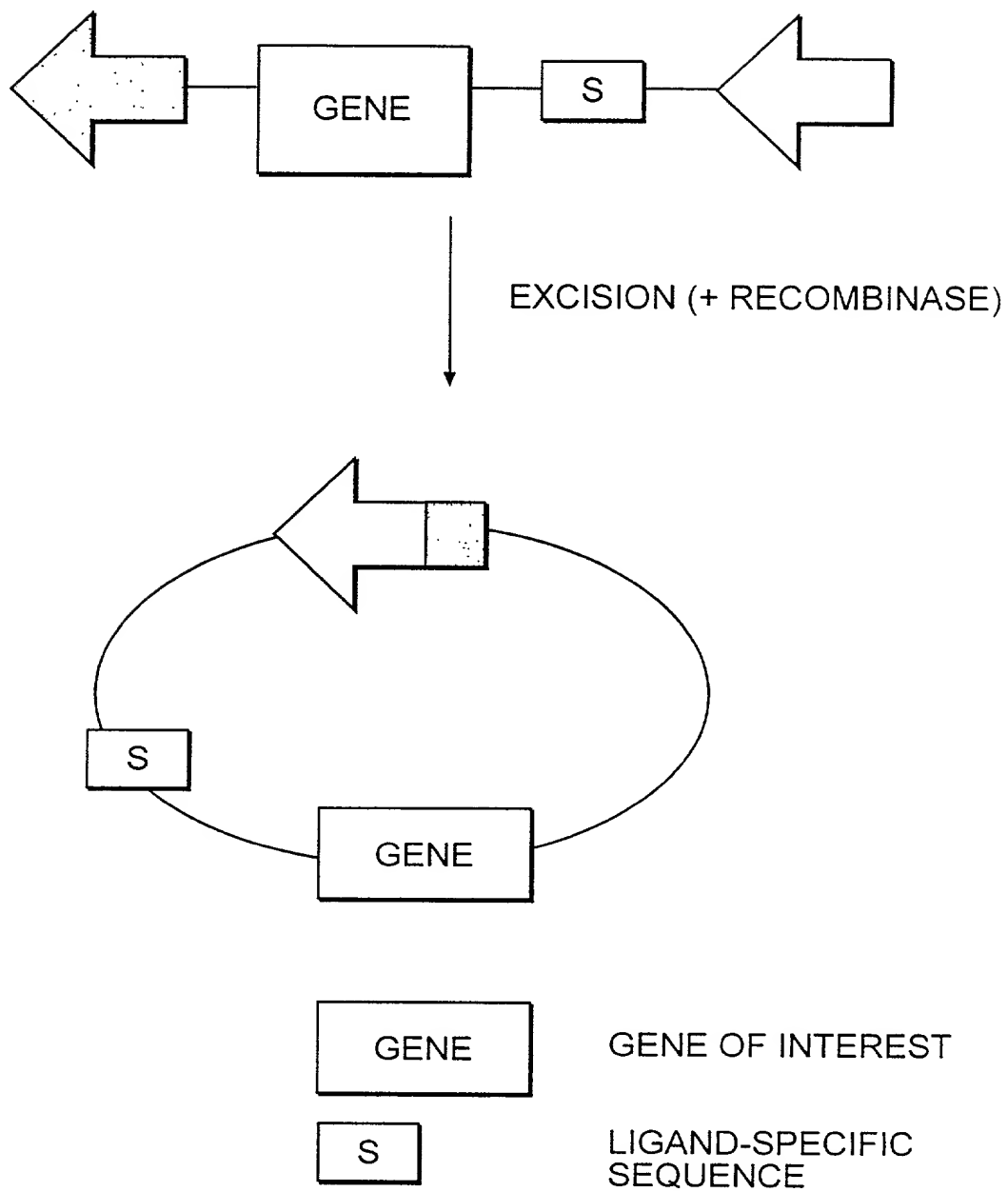


FIG. 3

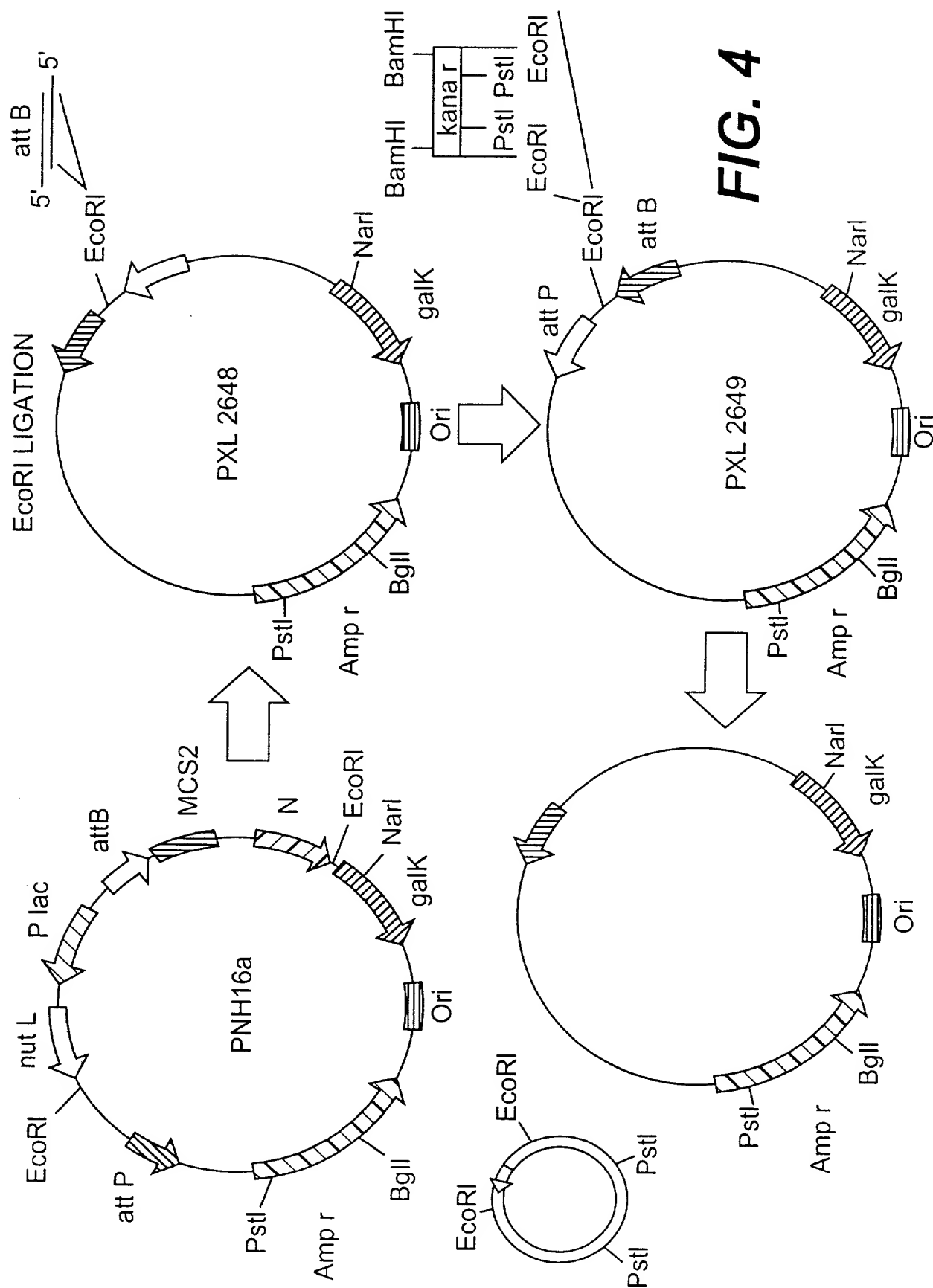
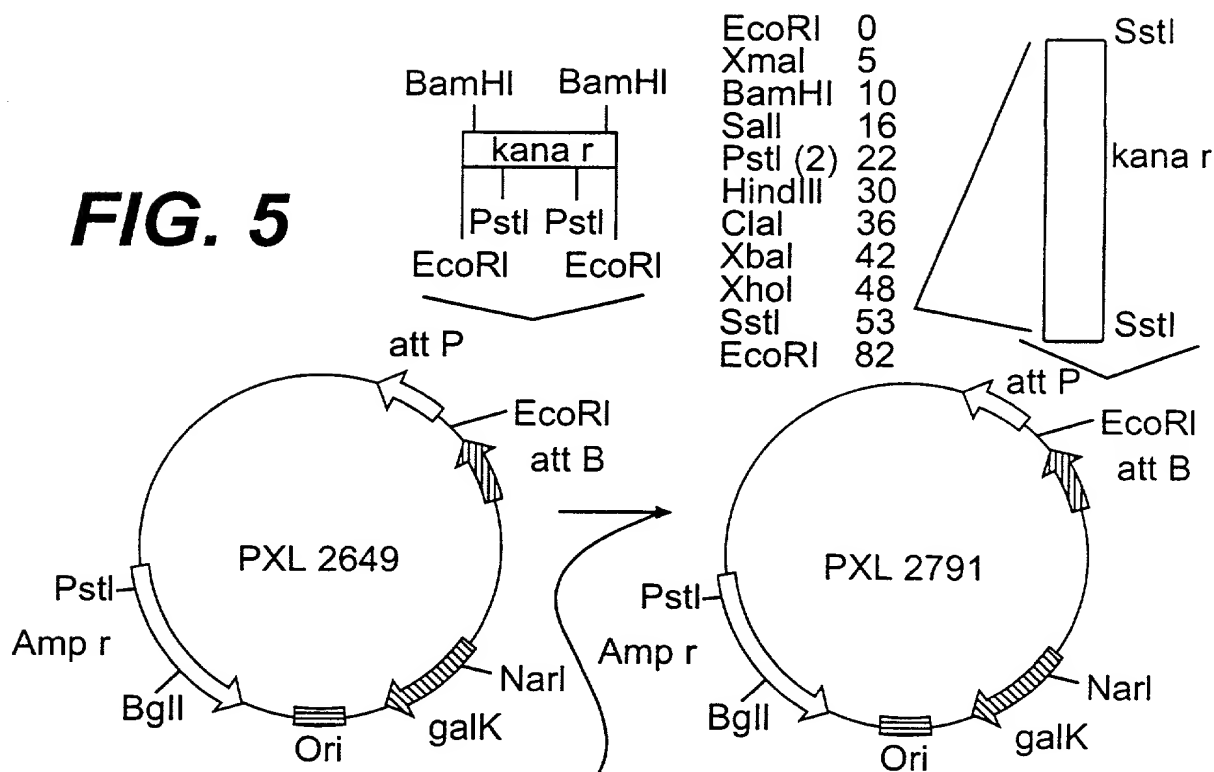
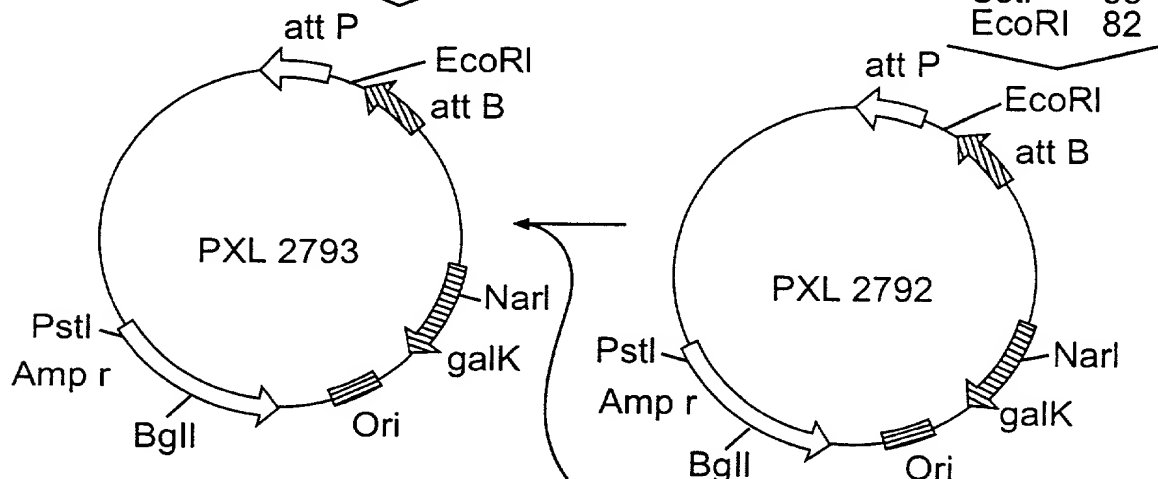
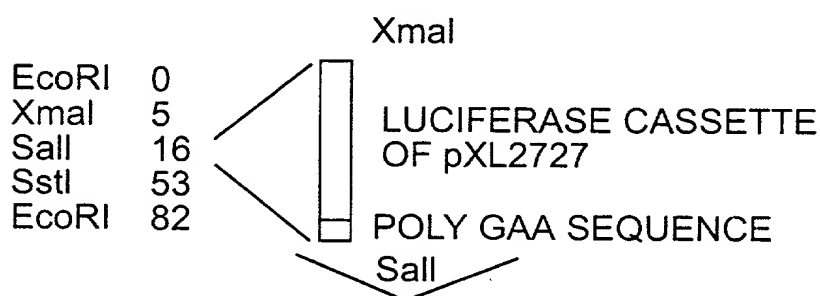


FIG. 5



1- EcoRI DIGESTION OF pXL2649
2-CLONING OF THE EcoRI FRAGMENT
OF PLASMID pXL1571 SET

DIGESTION OF PLASMID
pXL2791 WITH SstI



1-DIGESTION OF pXL2792 WITH SalI AND XmaI
2- CLONING OF THE SalI-XmaI FRAGMENT OF PLASMID pXL2727

LUCIFERASE ACTIVITY OBTAINED ON NIH
3T3 CELLS

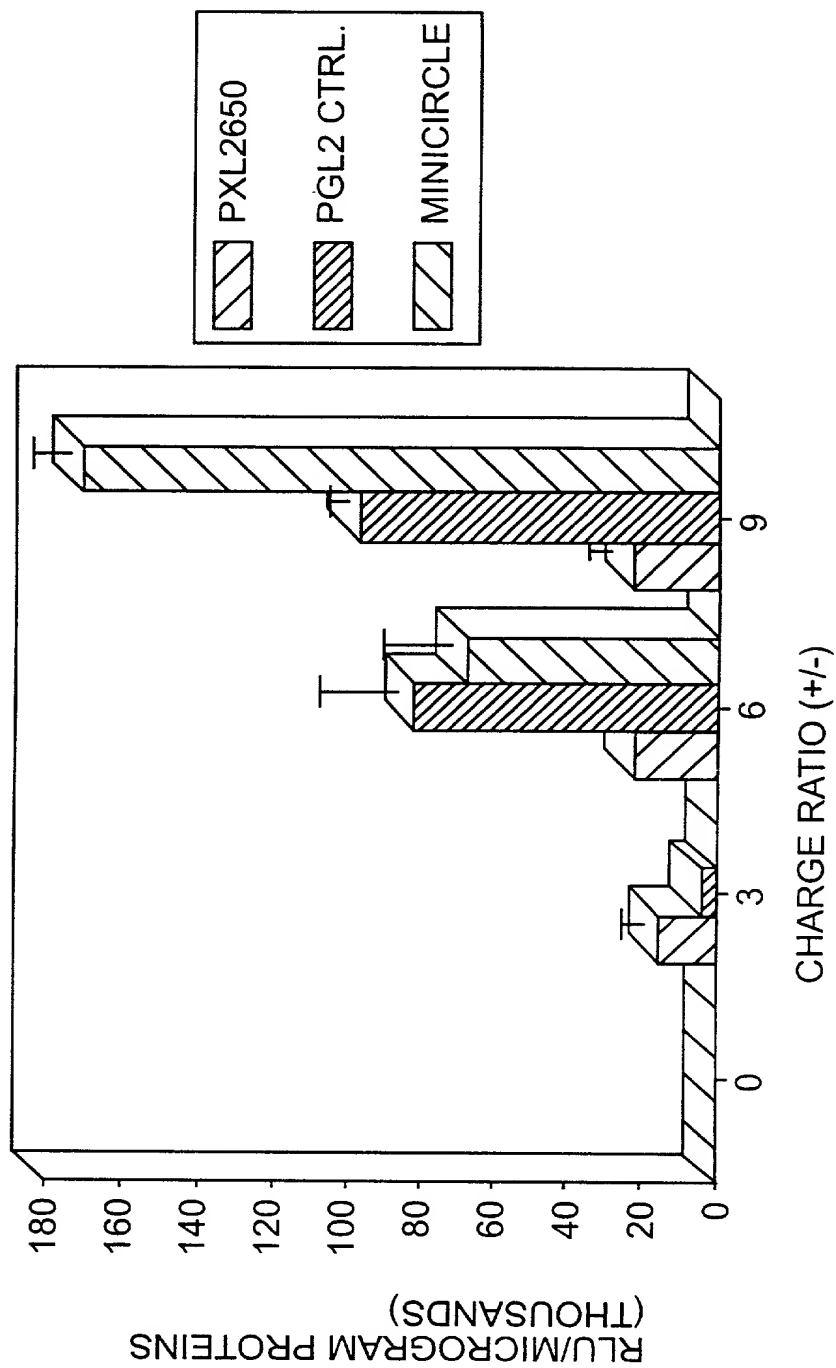


FIG. 6

- 1 →
- 2 →
- 3 →
- 4 →
- 5 →
- 6 →

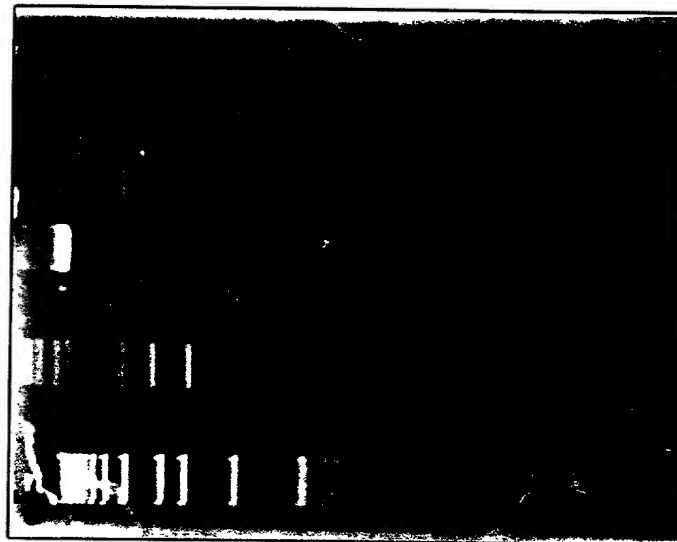


FIG. 7

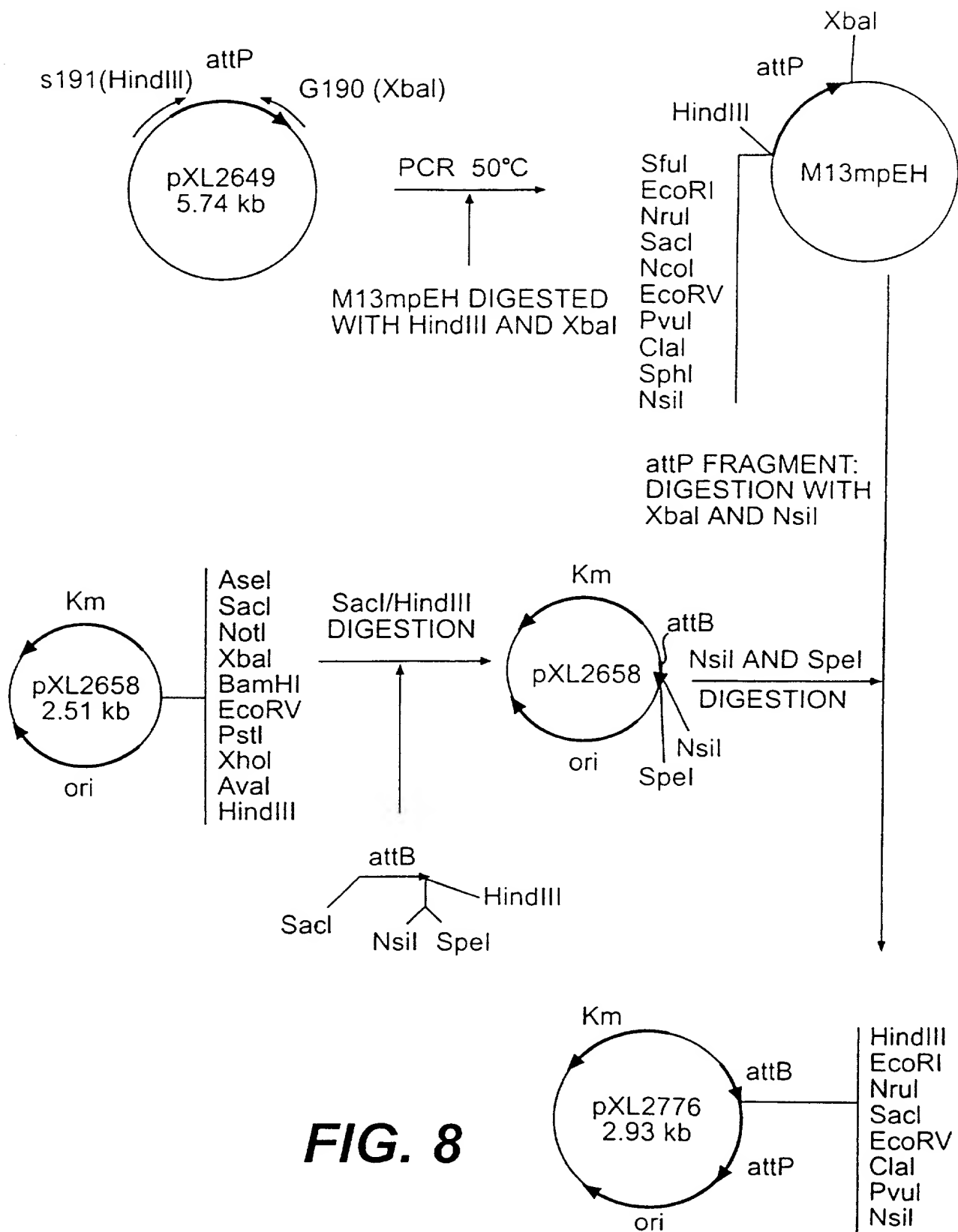


FIG. 8

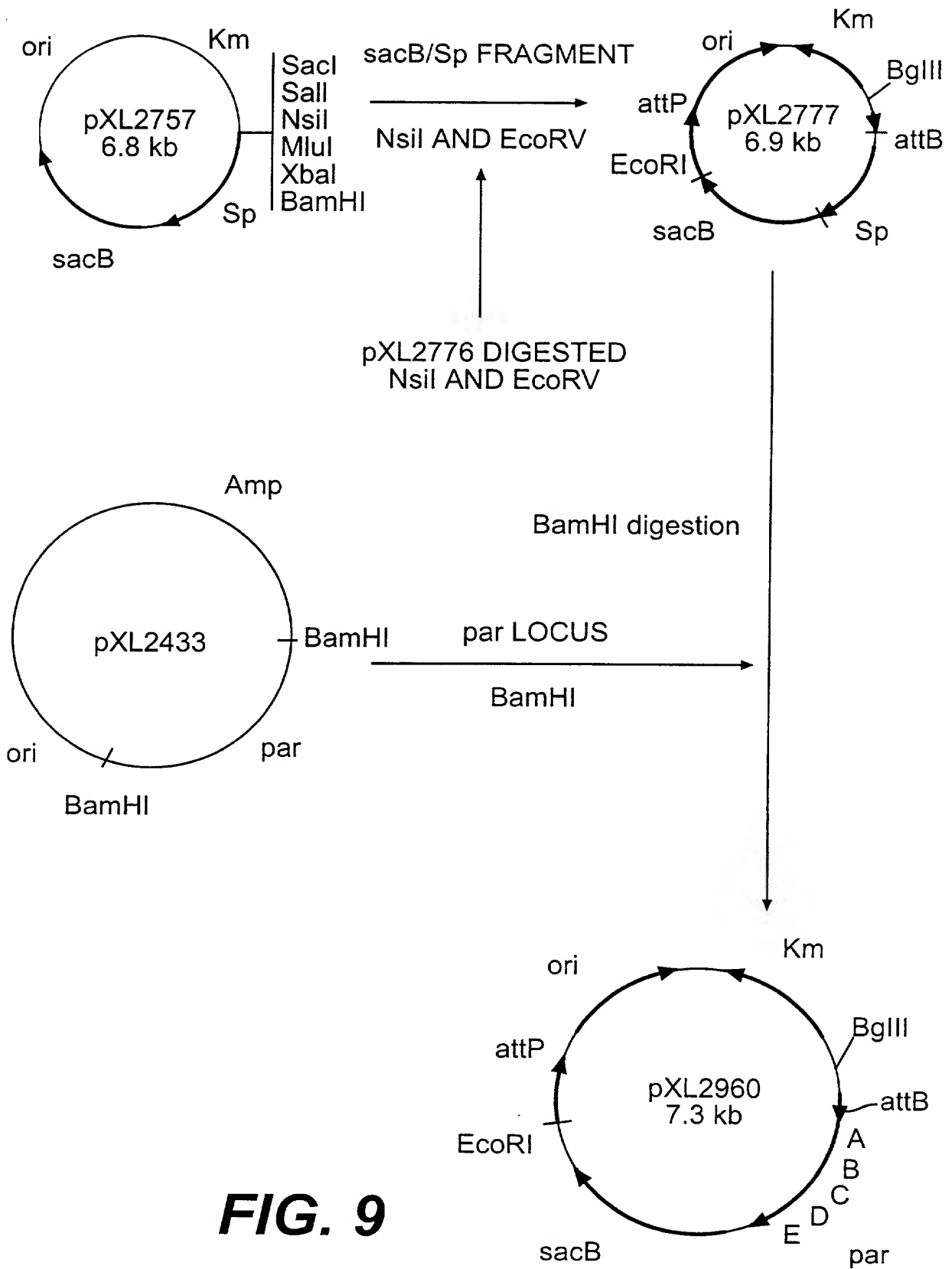


FIG. 9

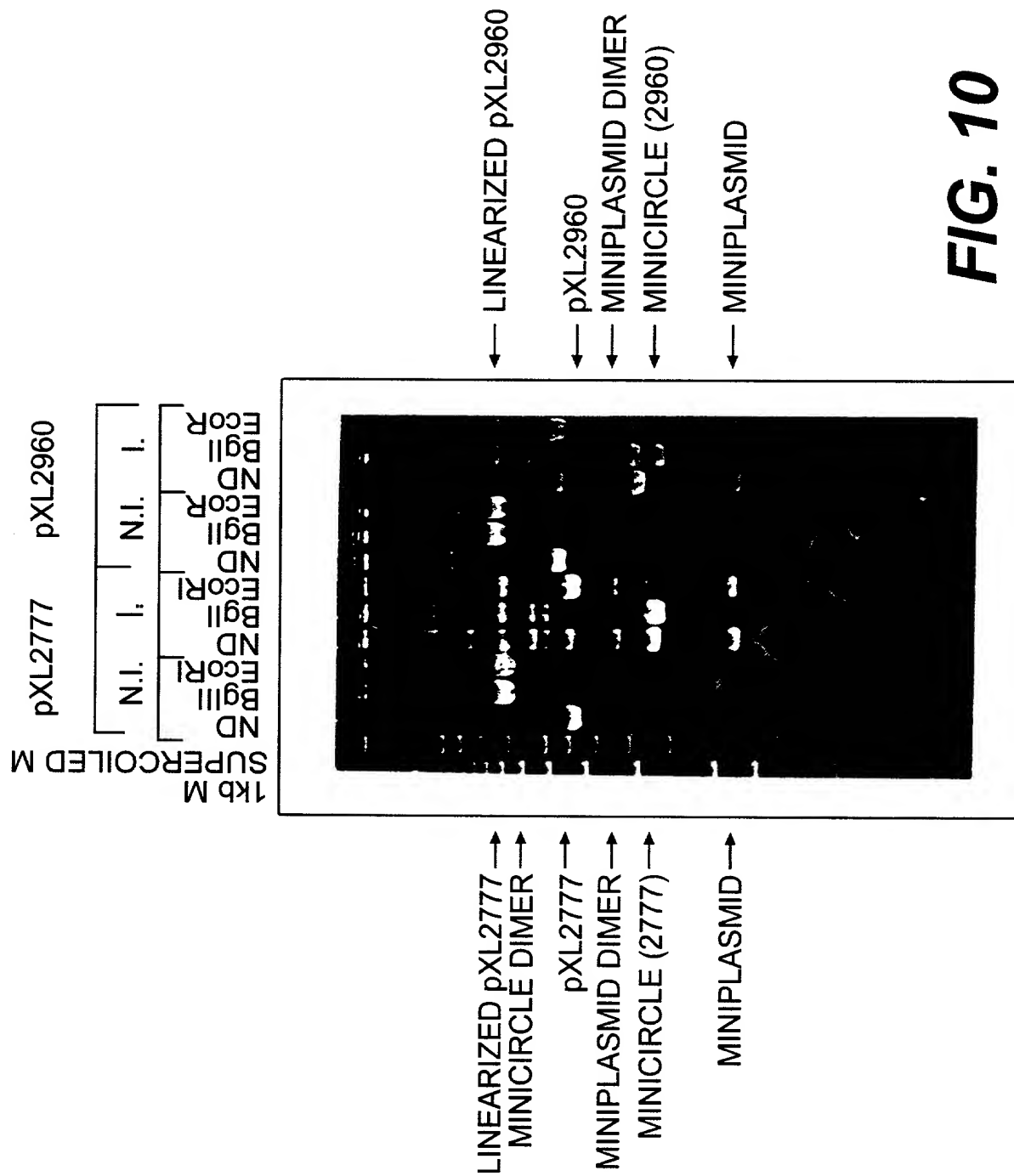


FIG. 10

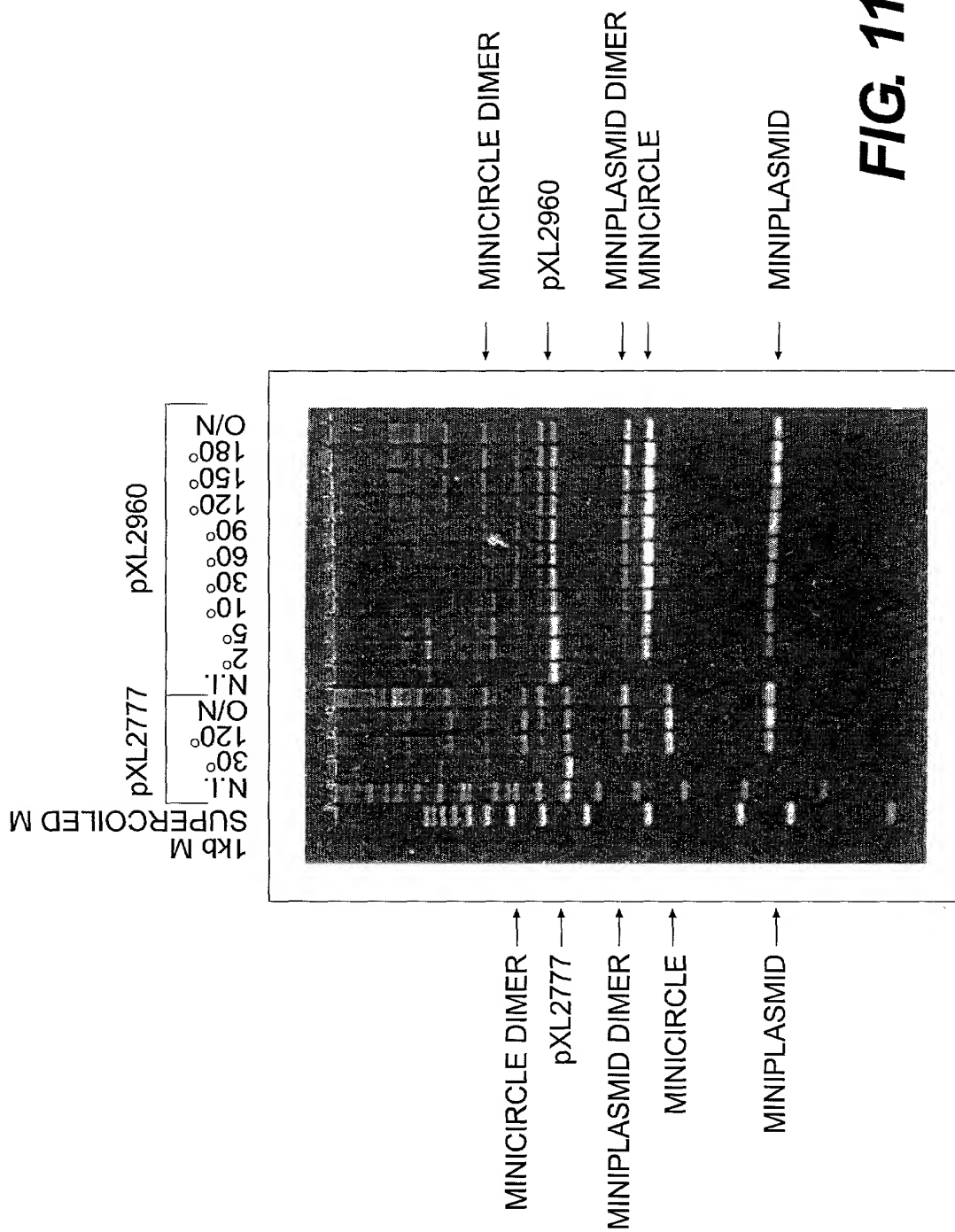


FIG. 11

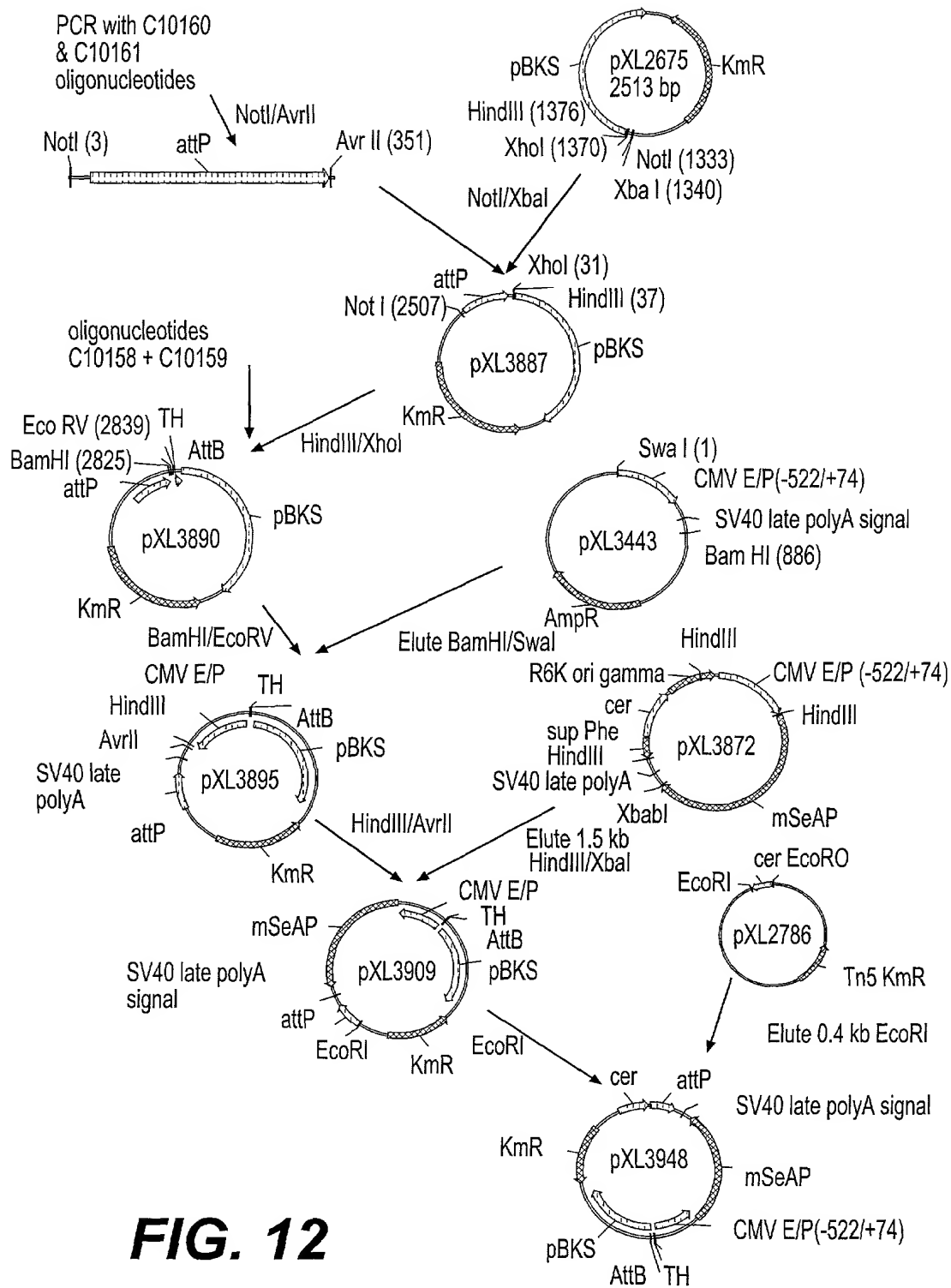
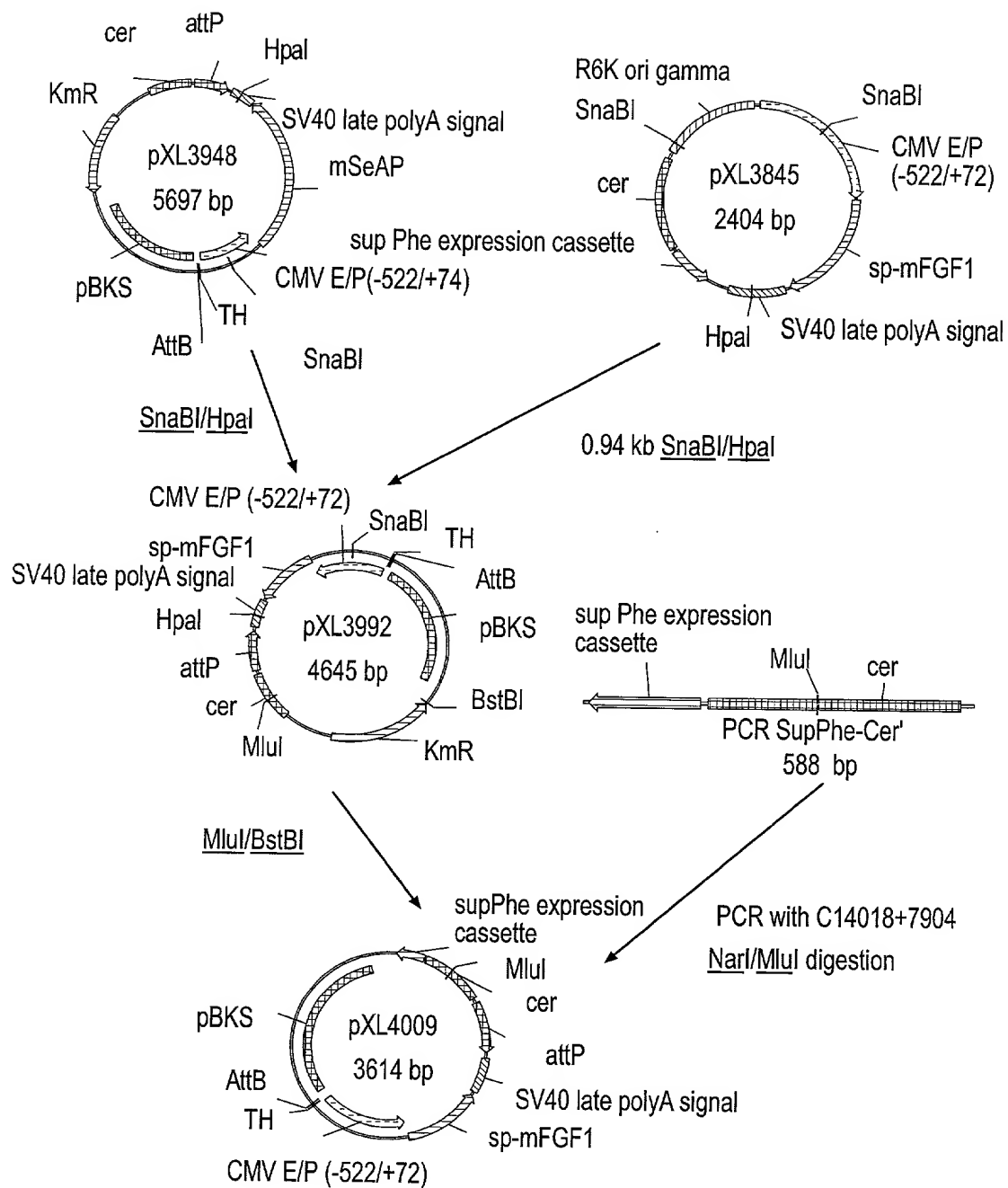


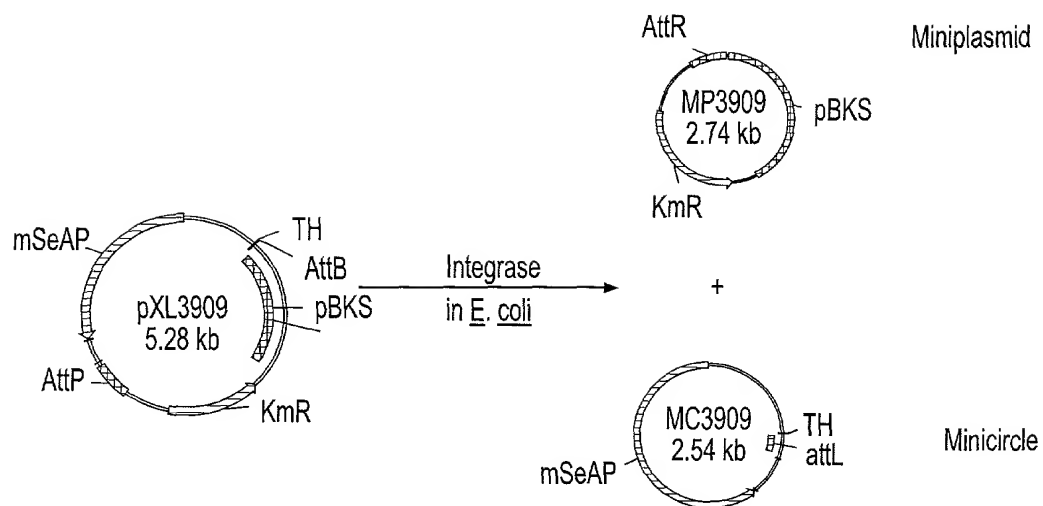
FIG. 12



C14018: 5'-AAAGGCGCCAGCTTAAAAAATCC-3' (SEQ ID NO: 49)
 7904: 5'-CATACGTCAATTATTGACGTC-3' (SEQ ID NO: 50)

FIG. 13

FIG. 14



TRIPLE HELIX SEQUENCE & attL (119 bp) (SEQ ID NO: 12)

5' -TTCTTTTTTTTCTTGAAGCCTGCTTTTTTATACTAAGTTGGCATTATAAAAAAGCATTGC- 3'
 3' -AAGAAAAAAGAACTTCGGACGAAAAAATATGATTCAACCGTAATATTTTTTCGTAACG- 5'

5' -TTATCAATTTGTTGCAACGAACAGGTCACATCAGTCAAAATAAAATCATTATTTGATT- 3'
 3' -AATAGTTAAACAACGTTGCTTGTCAGTGATAGTCAGTTTTATTTTAGTAATAAACTAA- 5'

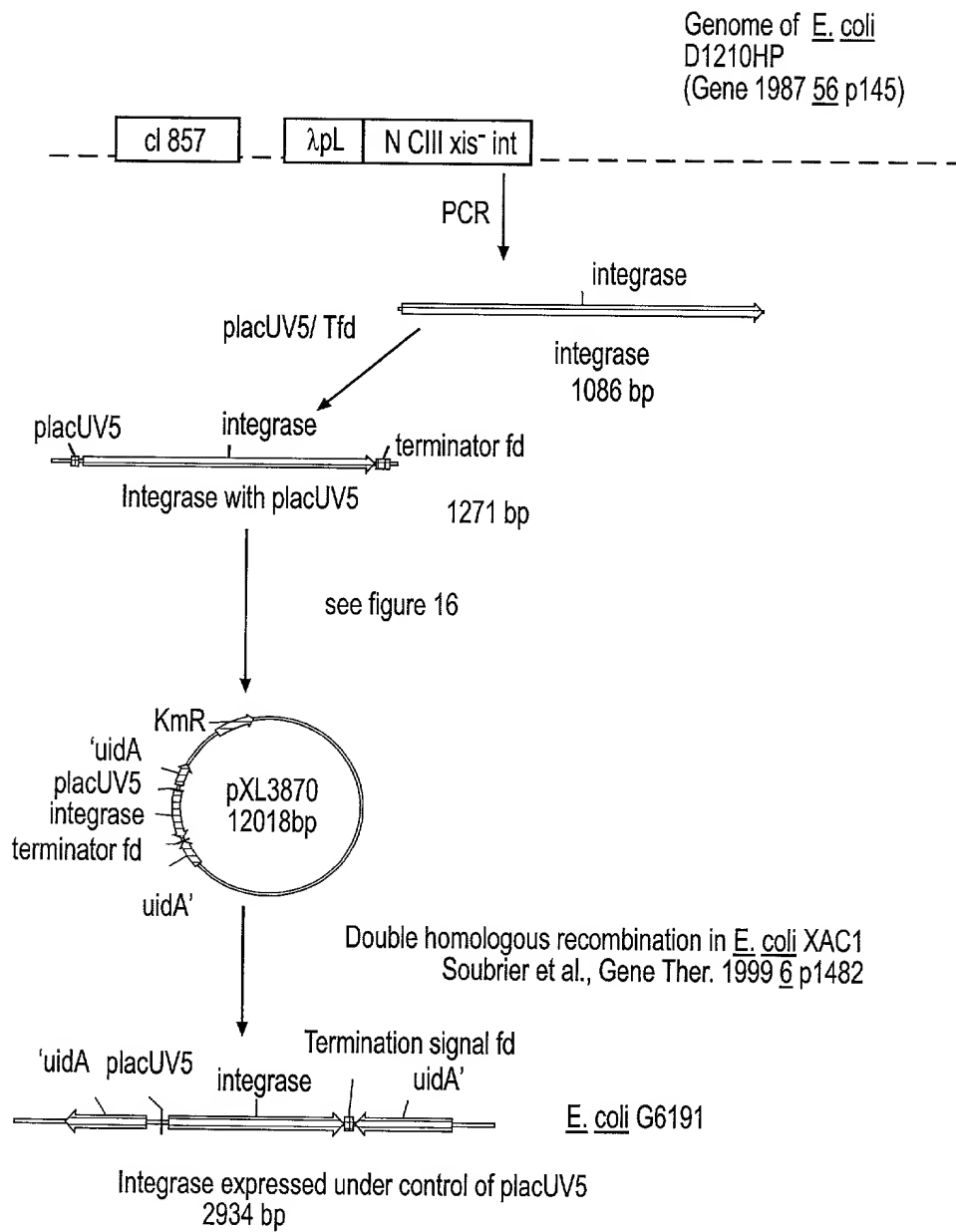


FIG. 15

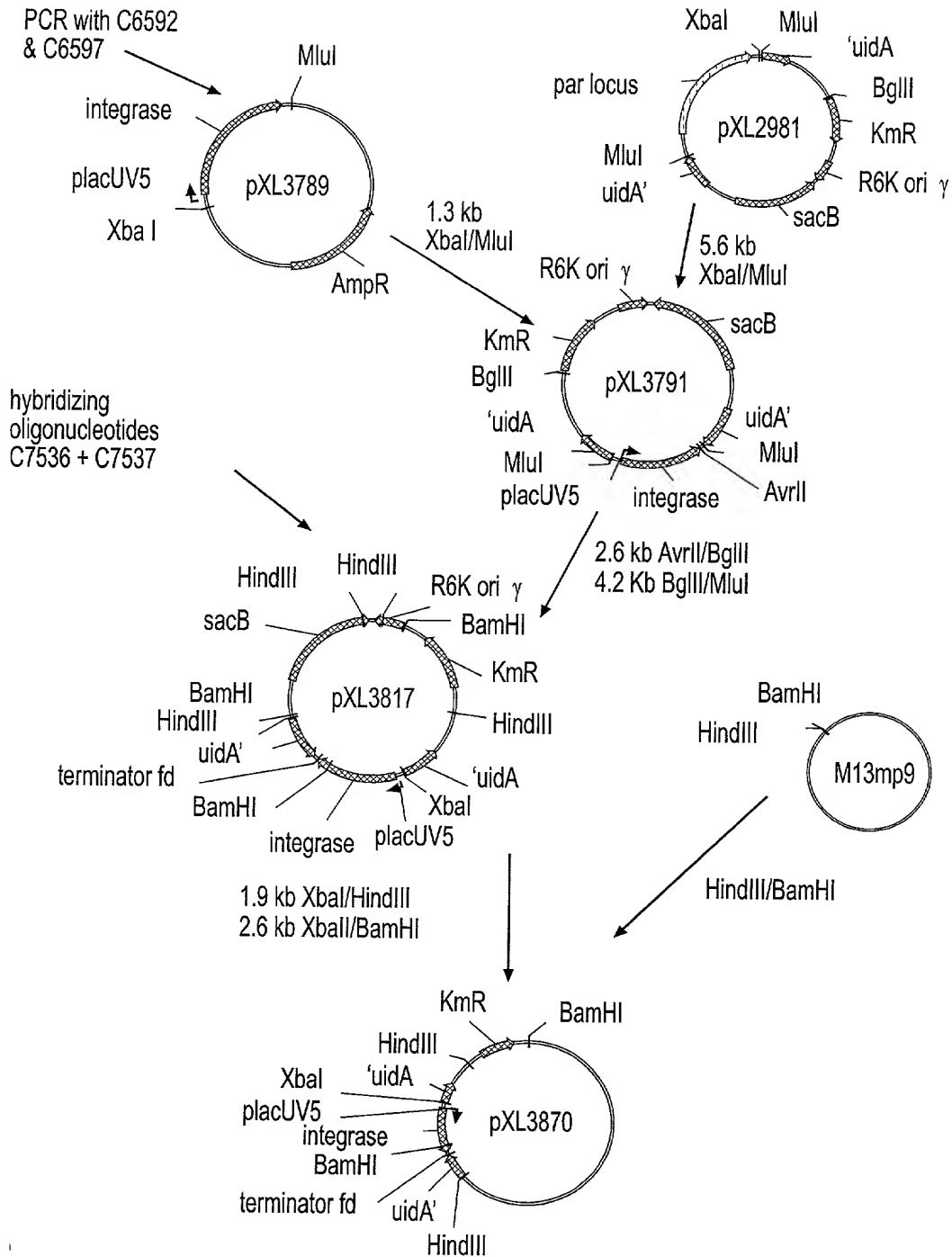
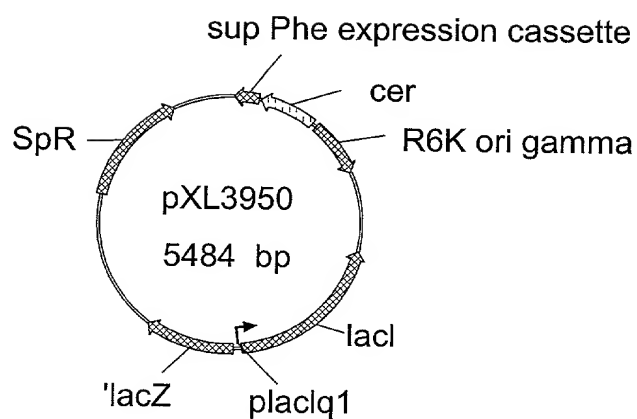


FIG. 16



Transformation in the strain G6191
Selection with spectinomycin

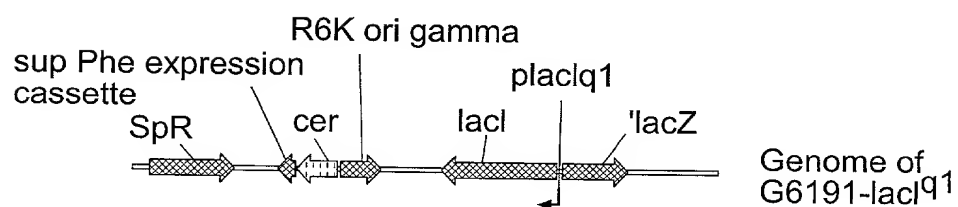
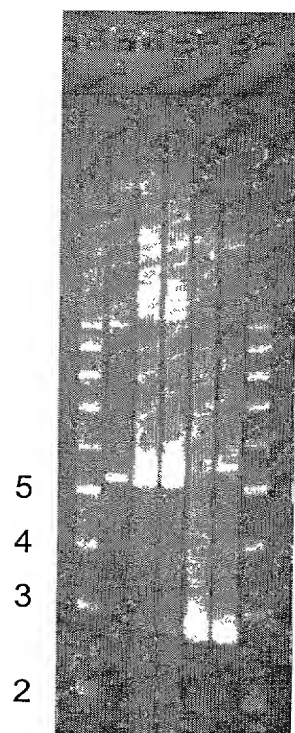


FIG. 17

Kb 1 2 3 4 5 6 7



← pXL3909 non-recombined

← Miniplasmid MP3909

FIG. 18

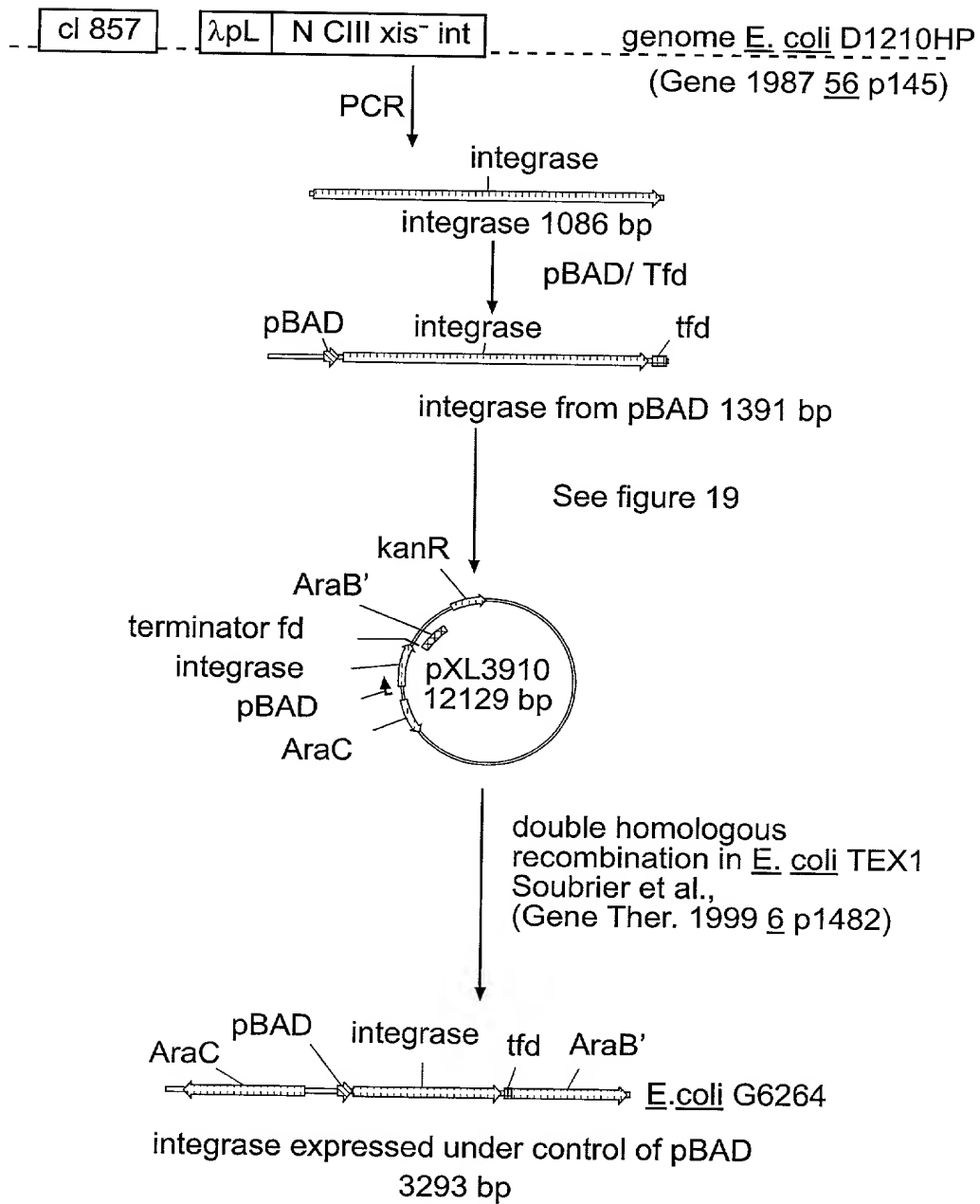


FIG. 19

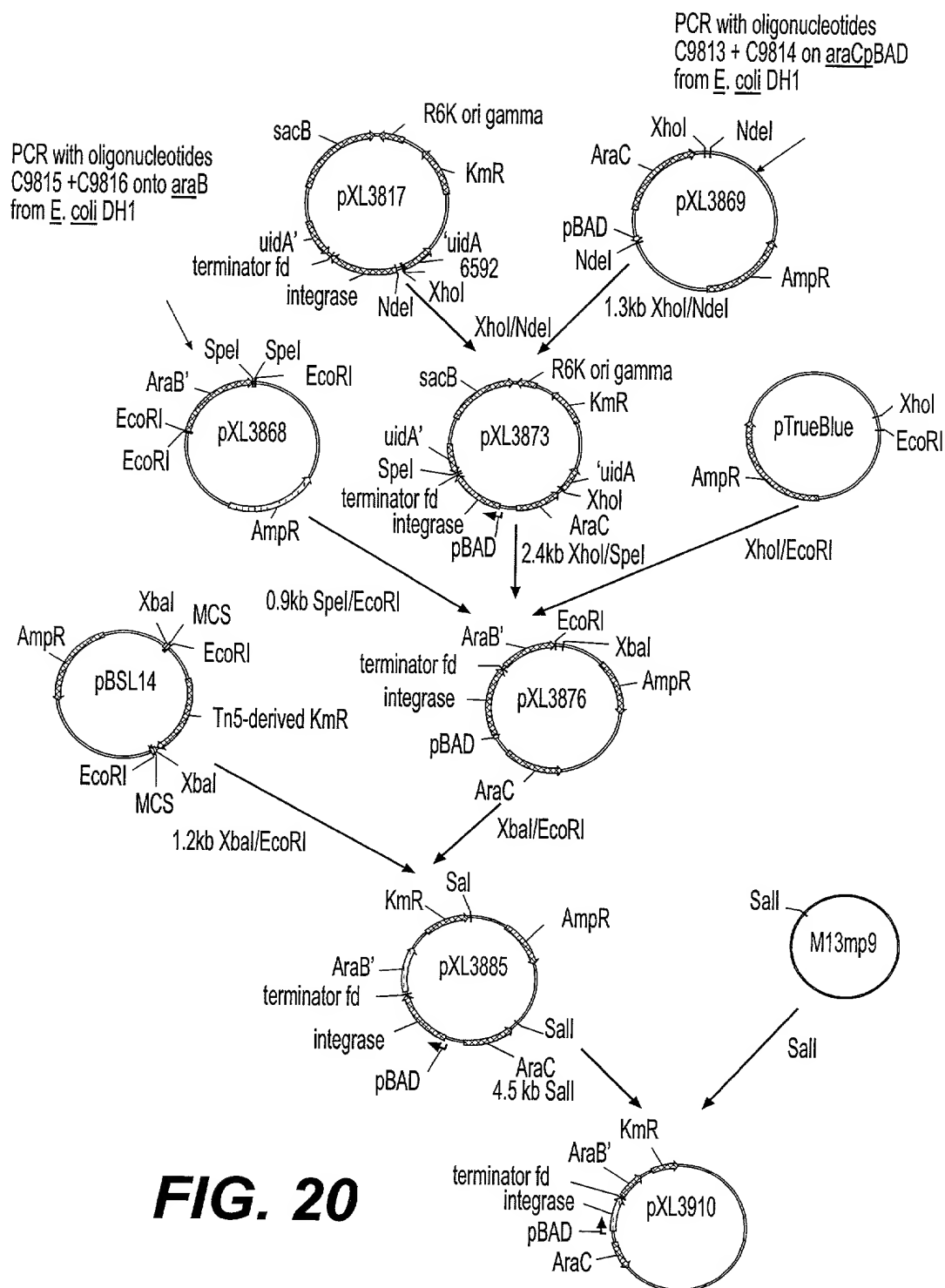


FIG. 20

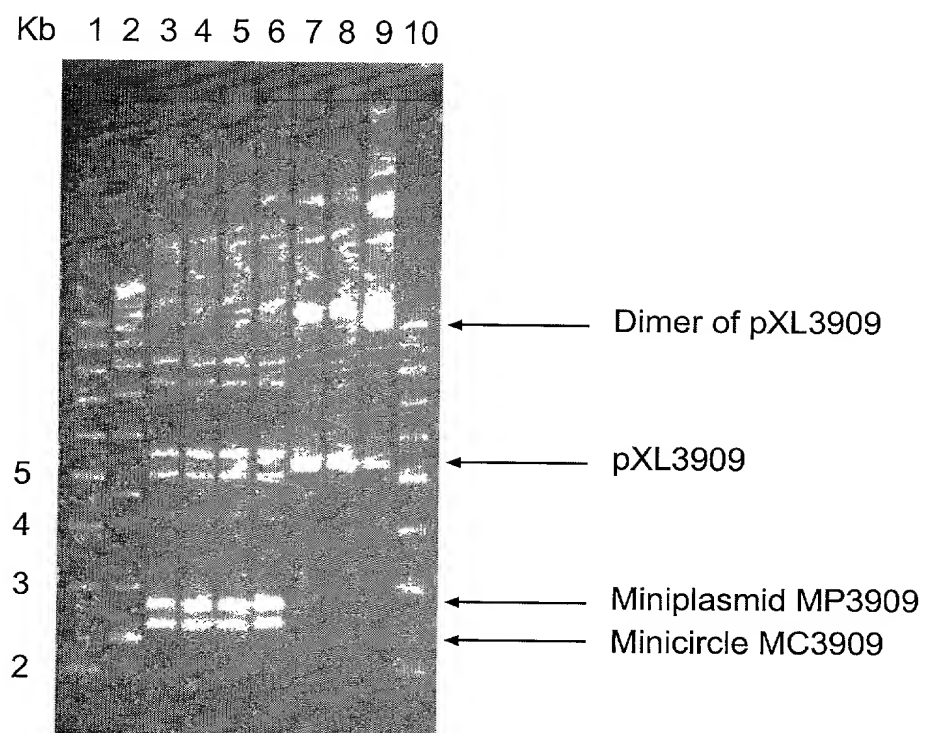


FIG. 21

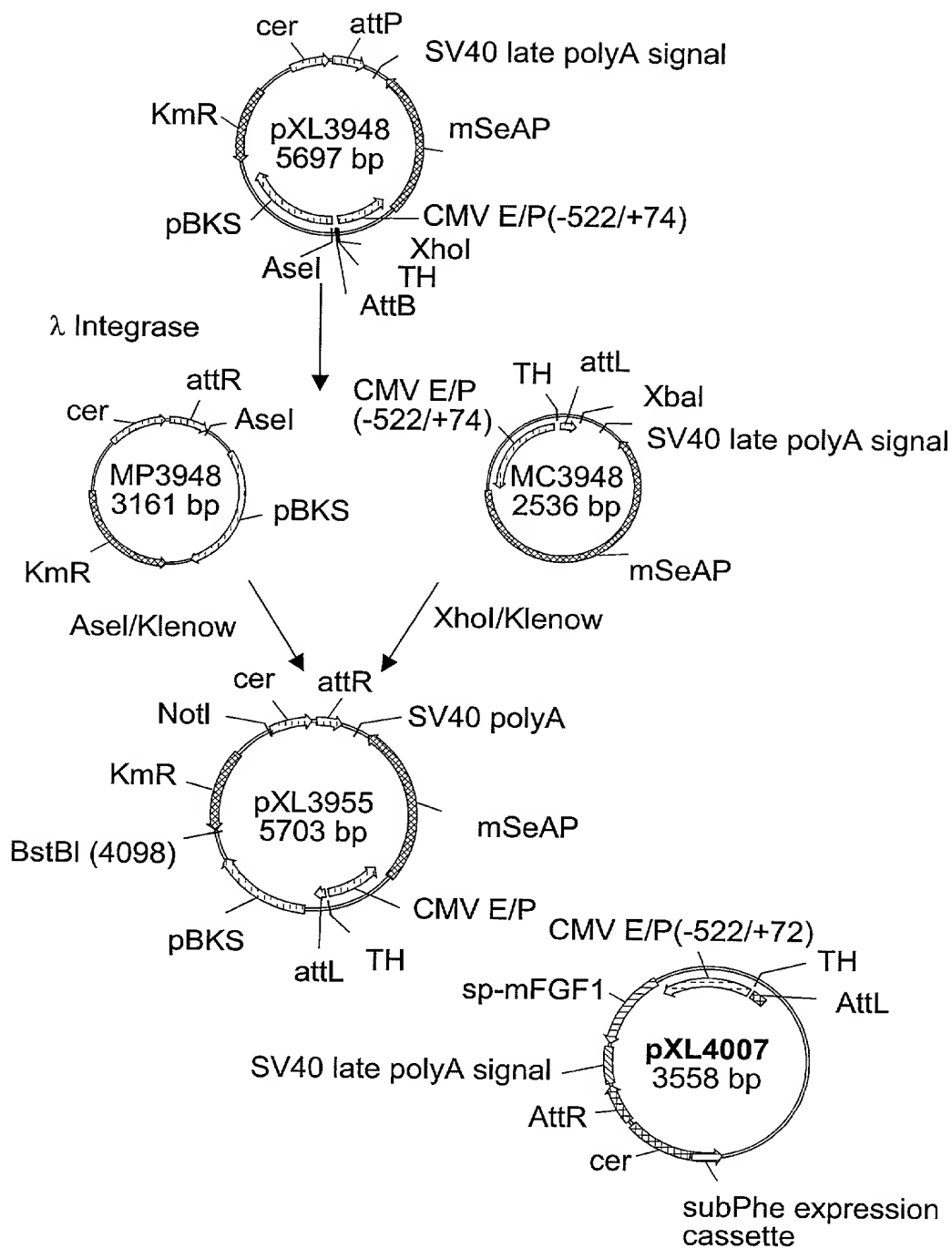
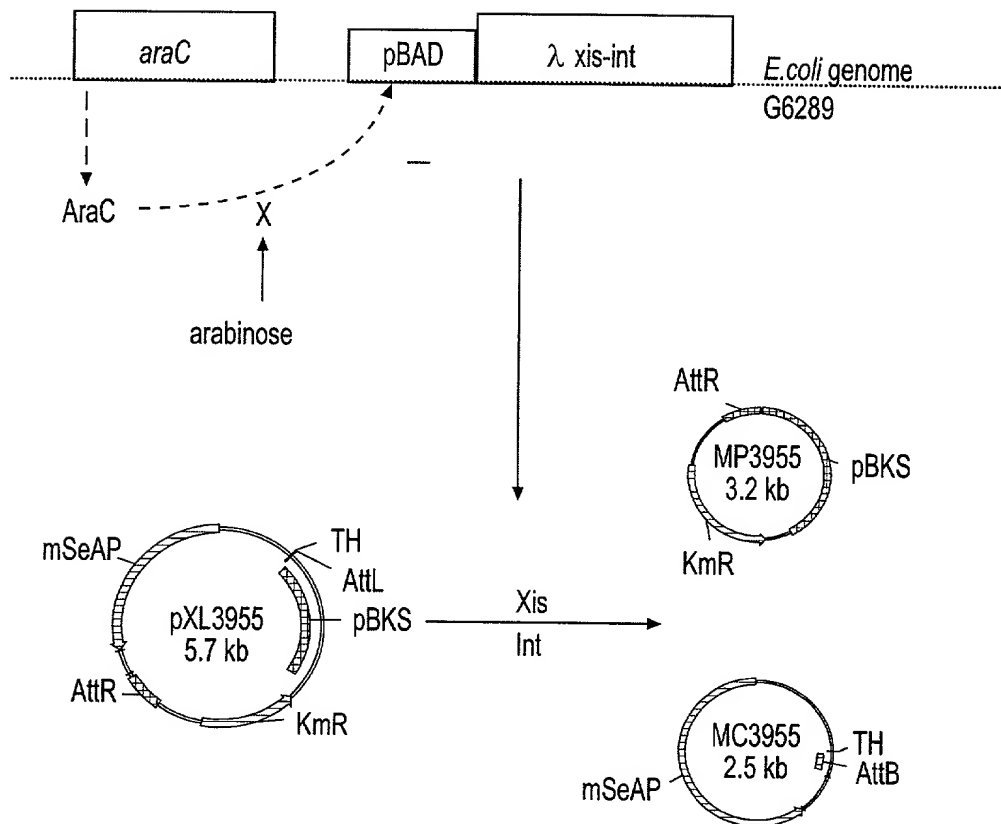


FIG. 22



TH & attB (29bp) (SEQ ID NO:13)

5' -TTCTTTTTTCTTGAAGCCTGCTTTTTTATACTAACTTGAGC- 3'
 3' -AAGAAAAAAGAACTTCGGACGAAAAAATATGATTGAACTCG- 5'

FIG. 23

Figure 1 consists of 11 micrographs arranged vertically, showing the development of a chick embryo from fertilization to hatching. The images are labeled as follows from top to bottom: 1. Fertilized egg, 2. 2-cell stage, 3. 4-cell stage, 4. 8-cell stage, 5. Morula stage, 6. Gastrula stage, 7. Hatching stage, 8. Hatched chick, 9. Hatched chick, 10. Hatched chick, 11. Hatched chick. The images show the progression from a single cell to a fully formed chick.

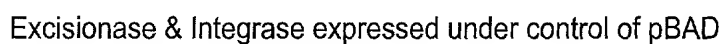
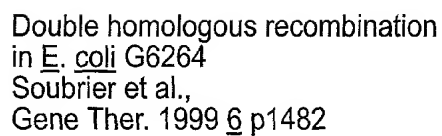


FIG. 24

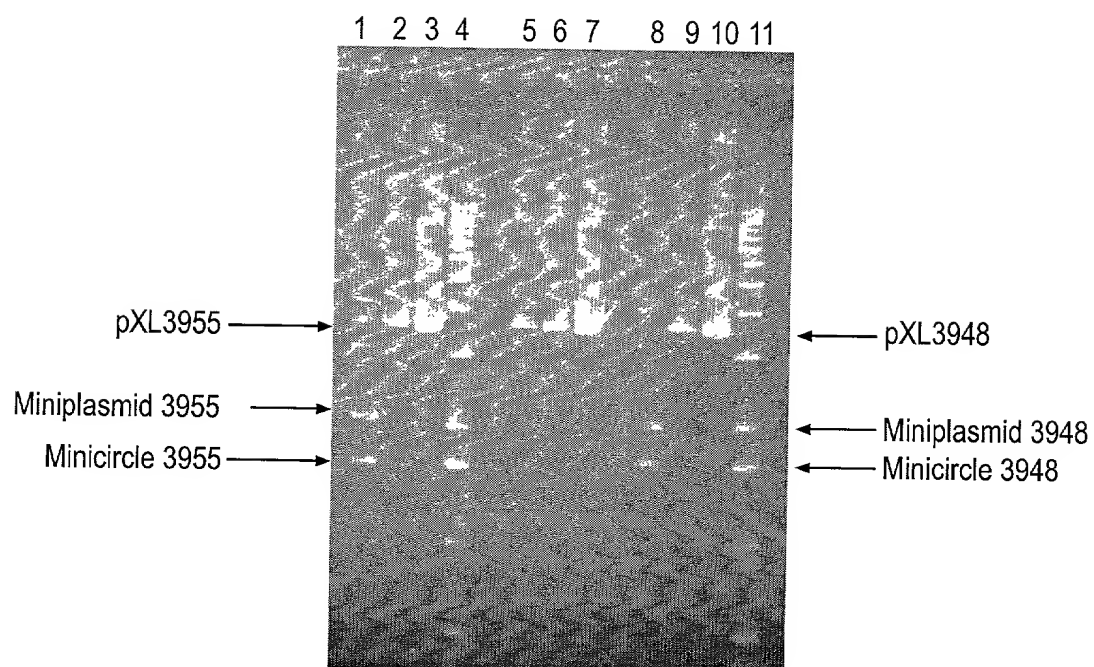


FIG. 25

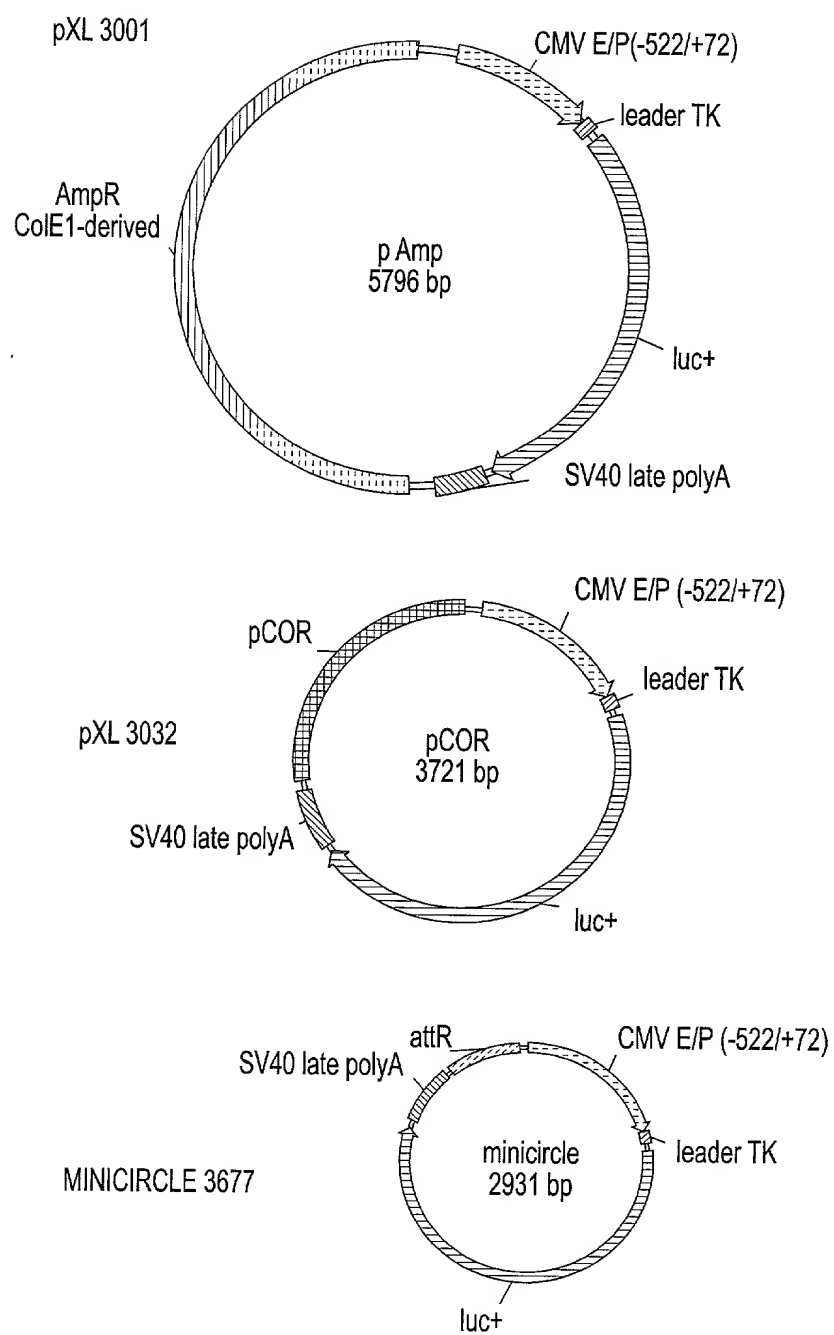


FIG. 26

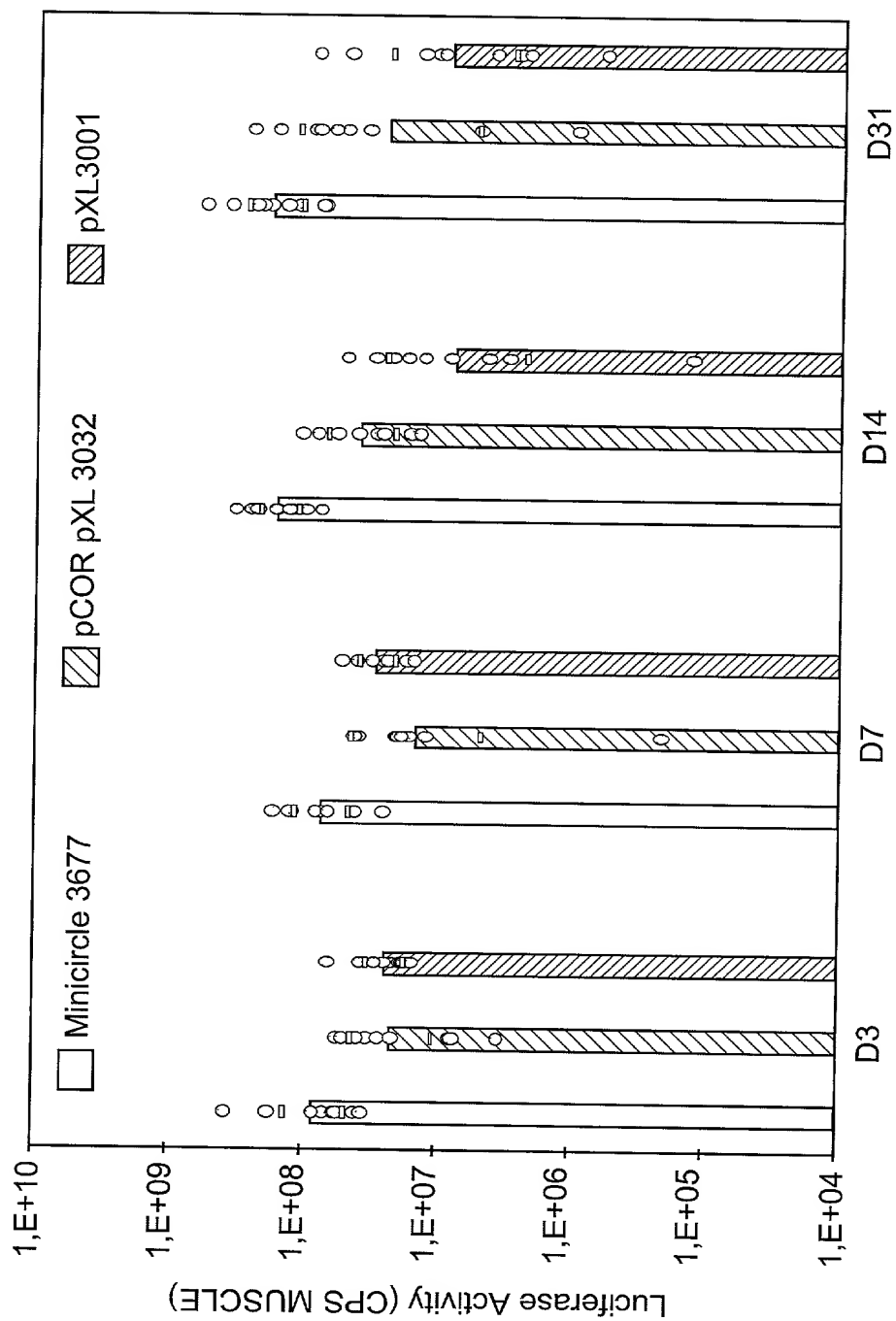


FIG. 27